MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)
Term-End Practical Examination
December, 2016

00473

MCSL-017(P)/S4 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time : 2 Hours   *Maximum Marks : 50*

Note :   *(i)*   *There are two sections in this paper.*

         (ii)   *Each section is of one hour duration.*

         (iii)   *Each section has one* ***compulsory*** *question of 20 marks.*

         (iv)   *Each section has 5 marks for viva-voce separately.*

         (v)   *Attempt only those section(s) in which you are* ***not successful as yet.***

SECTION A

C Programming

1. Write an interactive C program to calculate the electricity bill as per the following details :   *20*

Domestic		Non-Domestic	
Range	Charge per unit	Range	Charge per unit
0 – 200	₹ 0·50	0 – 100	₹ 1·00˙
201 – 400	₹ 100 + 0·65	101 – 200	₹ 100 + 0·60
401 – 600	₹ 230 + 0·80	201 – 300	₹ 160 + 0·70
601 and above	₹ 390 + 1·00	301 and above	₹ 230 + 1·00

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program for finding the smallest number in an array of 5 elements. *20*